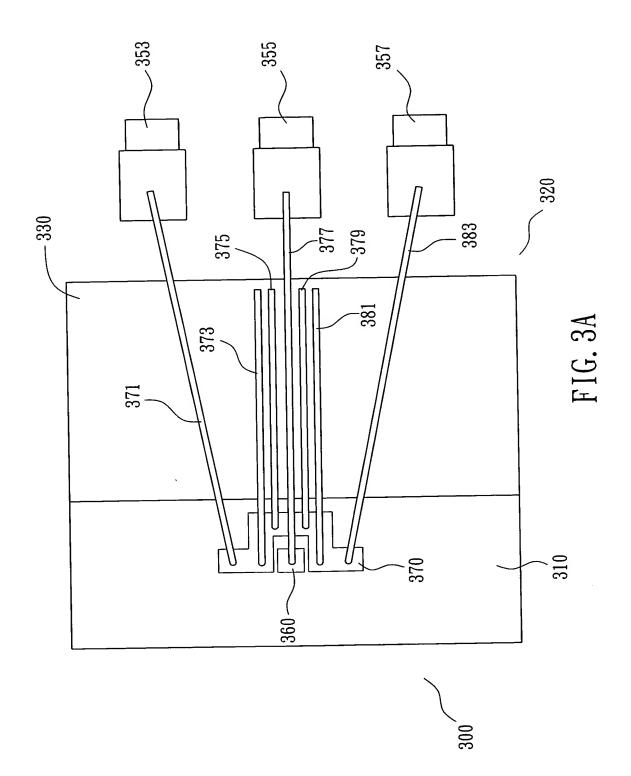
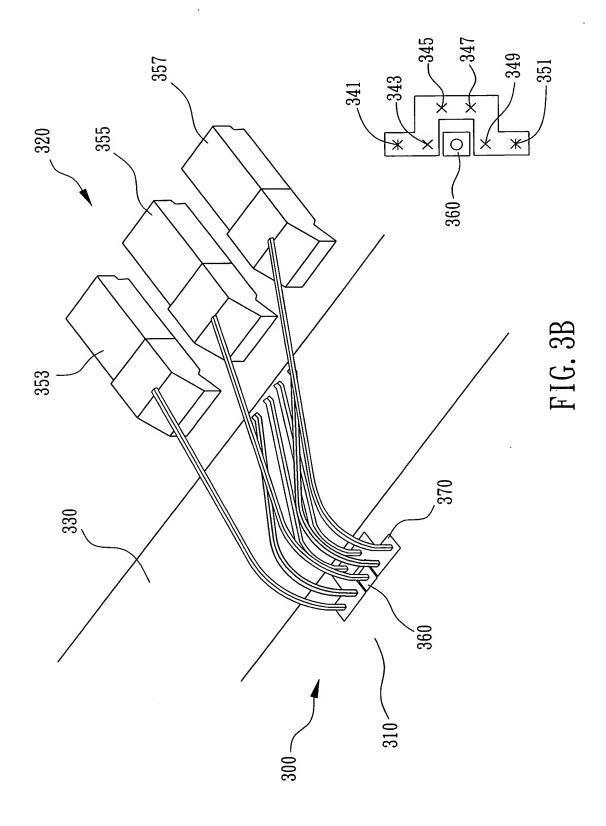
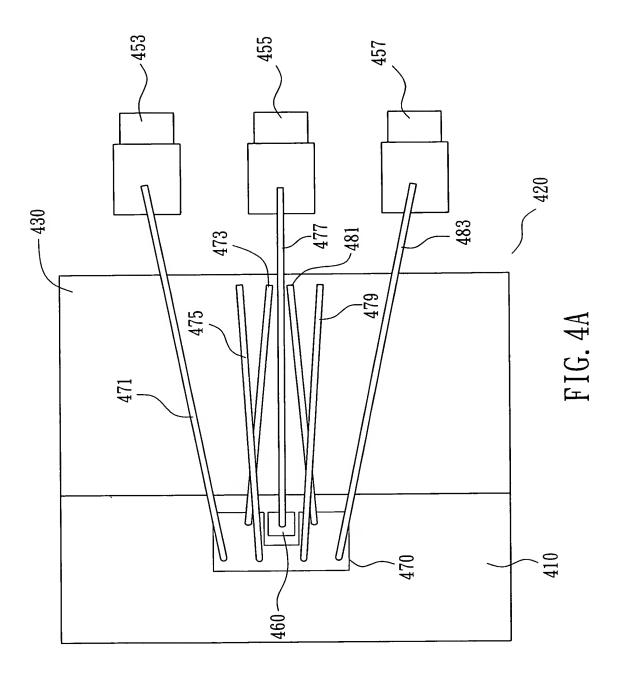
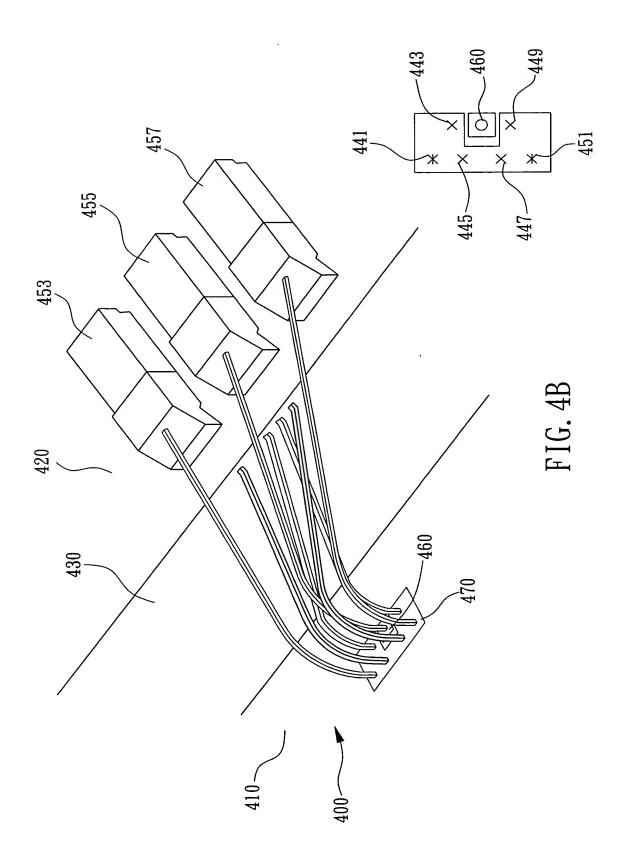


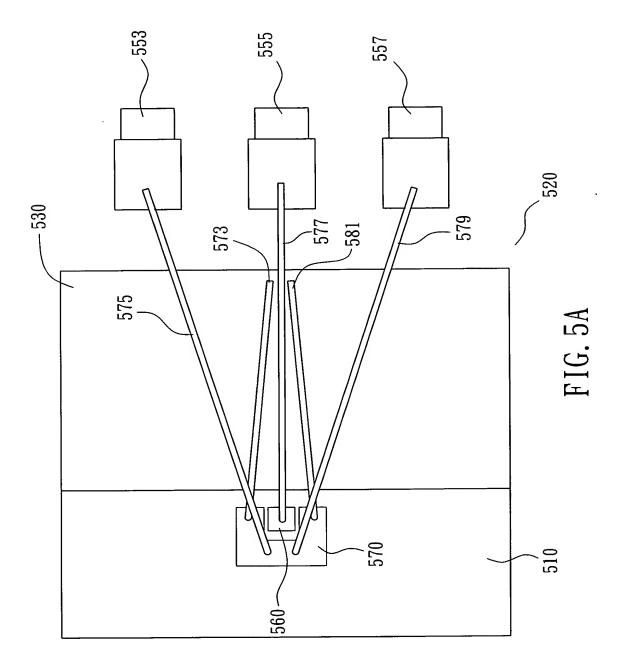
FIG. 2

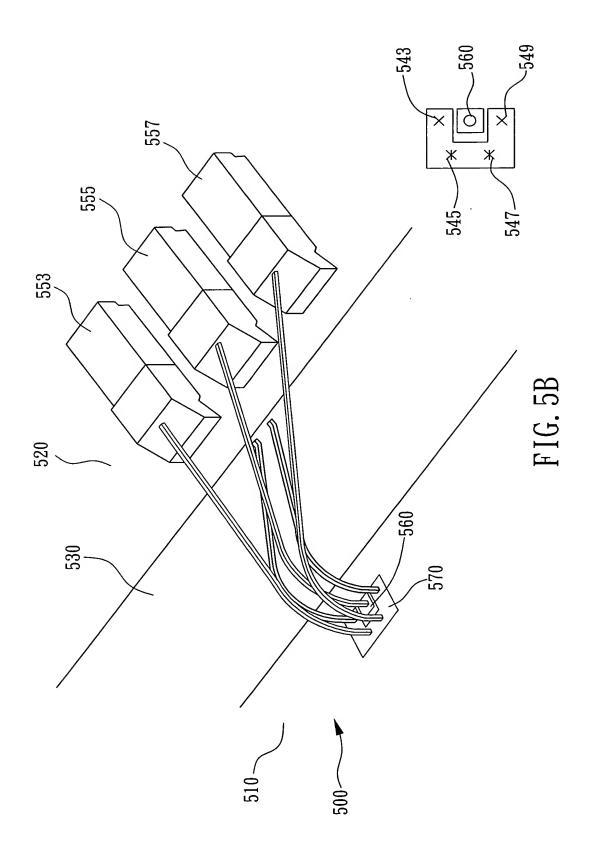












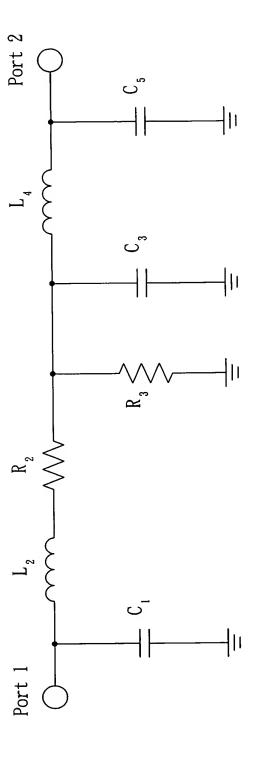
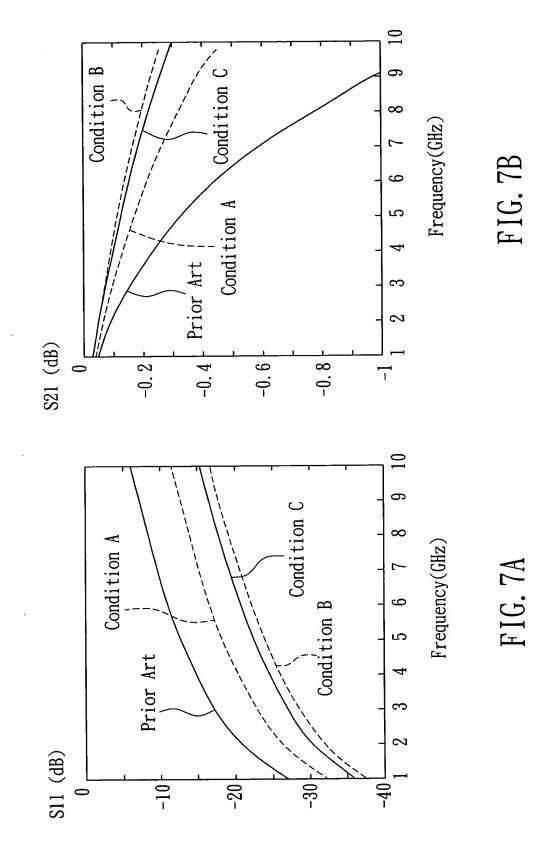


FIG. 6



	Parameters of Lumped Circuit of FIG.6	Approximate L total ≈ C total
Prior Art	$C_1 = 0.114 \ pF \ , C_3 = 0.257 \ pF \ , C_5 = 0.036 \ pF \ ,$ $L_2 = 1.325 \ nH \ , L_4 = 0.385 \ nH \ , R_2 = 0.400 \ \Omega \ ,$ $R_3 = 13.239 \ K\Omega$	$C_{\rm total} \approx 0.407 \ \rm pF$, $L_{\rm total} \approx 1.710 \ \rm nH$
Condition A	$C_1 = 0.122 \ \mathrm{pF} \ , C_3 = 0.240 \ \mathrm{pF} \ , C_5 = 0.078 \ \mathrm{pF} \ ,$ $L_2 = 0.919 \ \mathrm{nH} \ , L_4 = 0.551 \ \mathrm{nH} \ , R_2 = 0.445 \ \Omega \ ,$ $R_3 = 10.213 \ \mathrm{K}\Omega$	$C_{\text{total}} \approx 0.440 \text{ pF}$, $L_{\text{total}} \approx 1.470 \text{ nH}$
Condition B	$C_1 = 0.115 \ pF \ , C_3 = 0.245 \ pF \ , C_5 = 0.077 \ pF \ ,$ $L_2 = 0.757 \ nH \ , L_4 = 0.529 \ nH \ , R_2 = 0.333 \ \Omega \ ,$ $R_3 = 17.998 \ K\Omega$	$C_{\text{total}} \approx 0.437 \text{ pF} \ ,$ $L_{\text{total}} \approx 1.286 \text{ nH}$
Condition C	$C_1 = 0.115 \ pF \ , C_3 = 0.243 \ pF \ , C_5 = 0.076 \ pF \ ,$ $L_2 = 0.788 \ nH \ , L_4 = 0.524 \ nH \ , R_2 = 0.372 \ \Omega \ ,$ $R_3 = 14.614 \ K\Omega$	$C_{total} \approx 0.434 \text{ pF}$, $L_{total} \approx 1.312 \text{ nH}$

Table 1

	2.5 GHz	GHZ	2 GHz	Z	10 GHz	GHz
	Return	Insertion	Return	Insertion	Return	Insertion
	Loss(dB)	Loss(dB)	Loss(dB)	Loss(dB)	Loss(dB)	Loss(dB)
Prior Art	19.37	0.12	13.42	0.32	6.86	1.23
Condition A	24. 71	0.08	18.80	0.16	12. 29	0.45
Condition B	30.10	0.07	24.17	0.12	17.01	0.26
Condition C	28. 79	0.07	22.85	0.12	15.78	0.29

Table 2